

ABSTRACT OF THE DISCLOSURE

To provide an electron-emitting device, an
electron source, an image-forming apparatus, and a
method for manufacturing the electron-emitting device
5 whereby it is possible to reduce a device capacity and
a driving voltage, to improve the efficiency of
emitting electrons, and to obtain high-resolution beam.
The extracting electrode and the cathode electrode are
provided on an insulating substrate, a layer having
10 growth selectivity of fibrous carbon is formed on the
cathode electrode, and the fibrous carbon is grown via
catalyst particles formed on the layer.